

GG40M6L

145 Wp - 155 Wp

Solar modules glass - glass

Real World Tested • Globally Trusted



- Excellent Power Tolerance +3/0 %

- CE Mark 'safety laminated glass'

- 10 Year Limited Warranty Product

- 25 Year Power Output Warranty

- Modules with Efficiency up to 10,3%

Why Siliken?

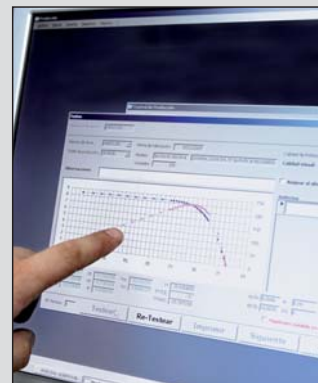
- Our global success has established a solid foundation to service the long-term needs of the solar industry.
- With over 200 MW installed worldwide, we have built a respected brand by consistently providing a quality product with proven performance.
- Our firm commitment to R&D allows us to reduce costs and permanently improve efficiency. What's more, it enables us to improve our existing products and develop new technologies in the renewable energy field.



Siliken Reliability

The Siliken modules are certified according to CE Mark. The high quality and reliability ensure the prompt return of investment for any PV installation.

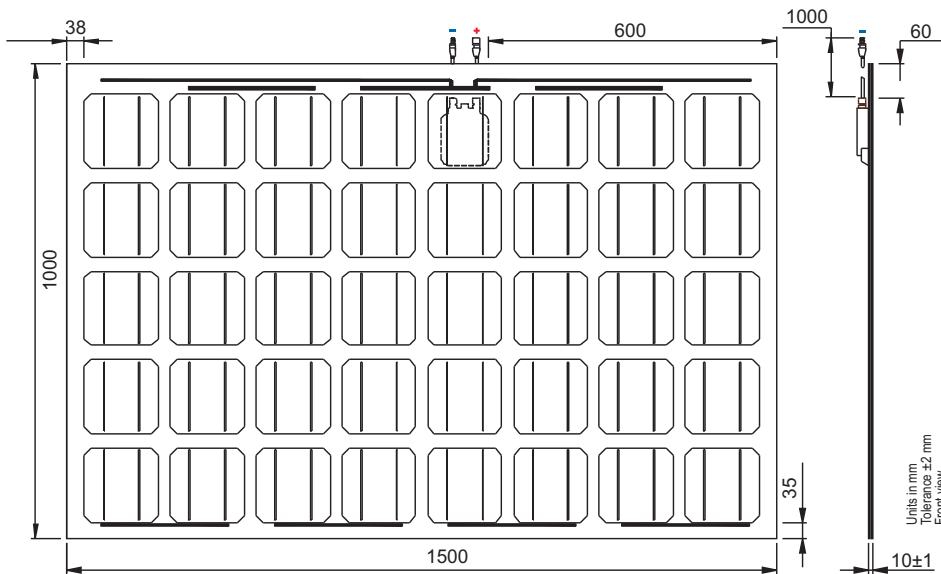
Each module goes through its testing phases, including strict power production verification and resistance tests in radiation simulators. With innovative products and solutions successfully implemented around the world, Siliken is a recognized global leader in solar power.



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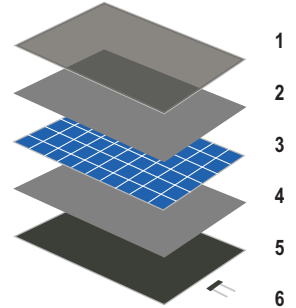
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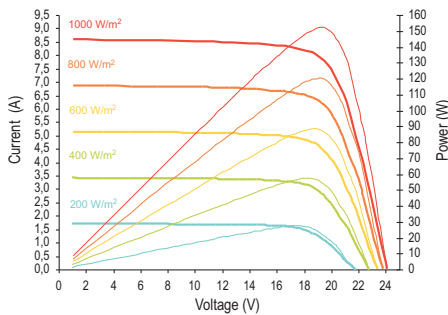
Constructive Characteristics

- 1 GLASS PLATE
- 2 AND 4 EVA
- 3 CELLS
- 5 BACKSIDE GLASS
- 6 JUNCTION BOX



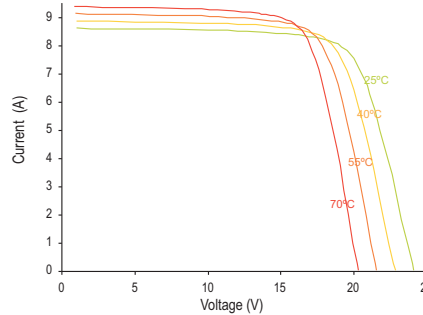
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I-V and Pmax characteristics with a variety of radiation levels at 25°C

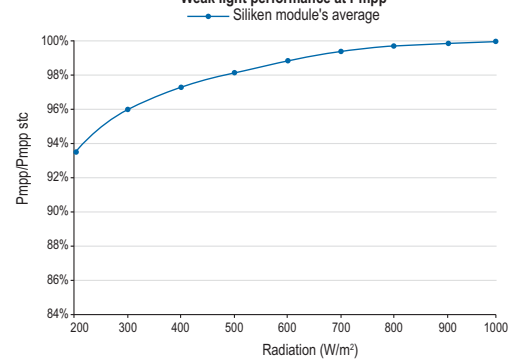


GG40M6L - 155 Wp

I-V characteristics with a variety of cell temperatures at 1.000 W/m²



Weak light performance at Pmpp



Mechanical Data

Dimensions (LxWxD)	1500 x 1000 x 10 mm
Thickness (Junction Box included)	32,5 mm
Weight	35 kg
Output Cables	Symmetrical length cable 1 m Ø4 mm ² , doble insulation coating, halogen free, UV resistance
Junction Box	IP-65 rated with bypass diodes
Anchorage or installation	It has to be installed with the correct fixation elements for safety glass in the 4 edges or in the 2 long edges.
Front Glass	4 mm low iron tempered glass with high transmissivity
Backside Glass	colourless tempered glass of 4 mm
Solar Cells	40 Mono-crystalline cells 156 x 156 mm

Electrical Data

	P _{mp} (Wp)	145	150	155
Maximum power at STC (+3/0 %)	P _{mp} (Wp)	145	150	155
Voltage at Maximum Power	V _{mp} (V)	19,4	19,5	19,6
Current at Maximum Power	I _{mp} (A)	7,45	7,68	7,90
Open Circuit Voltage	V _{oc} (V)	24,4	24,6	24,6
Short Circuit Current	I _{sc} (A)	8,06	8,20	8,40
Efficiency at STC	η (%)	9,64	9,98	10,32
Fill Factor	FF	0,735	0,742	0,749
Temperature Coefficient of Pmp	T _k P _{mp} (%/°C)		-0,41	
Temperature Coefficient of Voc	T _k V _{oc} (%/°C)		-0,356	
Temperature Coefficient of Isc	T _k I _{sc} (%/°C)		+0,062	
Normal Operating Cell Temperature	NOCT (°C)		49±2	

Values at Standard Test Conditions STC: Irradiance 1.000 W/m², Air Mass AM 1,5 and cell temperature 25°C

WARNING: Read the instruction manual carefully before using this product

NOTE: Siliken Modules, S.L.U. reserves the right to modify this product without prior notice

Certifications

ISO 9001:2000	Nº ES08 / 5170
ISO 14001	Nº ES09 / 6520
EC Declaration of conformity (safety laminated glass)	EN 14449:2005

Tested Operating Conditions

Temperature	-40 °C a +85 °C
Static Load	2400 Pa
Max Load	5400 Pa
Pendulum Impact Resistance	1 (B) 1
Thermal transmission coefficient	5,33 (W/m ² k)
Transparency	36%

Warranty

25 year limited warranty of 80% output power
10 year limited warranty of 90% output power
10 year limited warranty of materials and workmanship

MANUFACTURED IN SPAIN BY

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